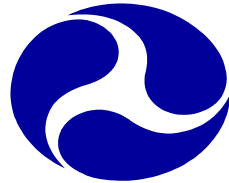


National Transportation Issues



**U.S. Department
of Transportation**

**Federal Highway
Administration**

John F. Sullivan III

FHWA NC Division Administrator

Strategies to Mitigate Congestion

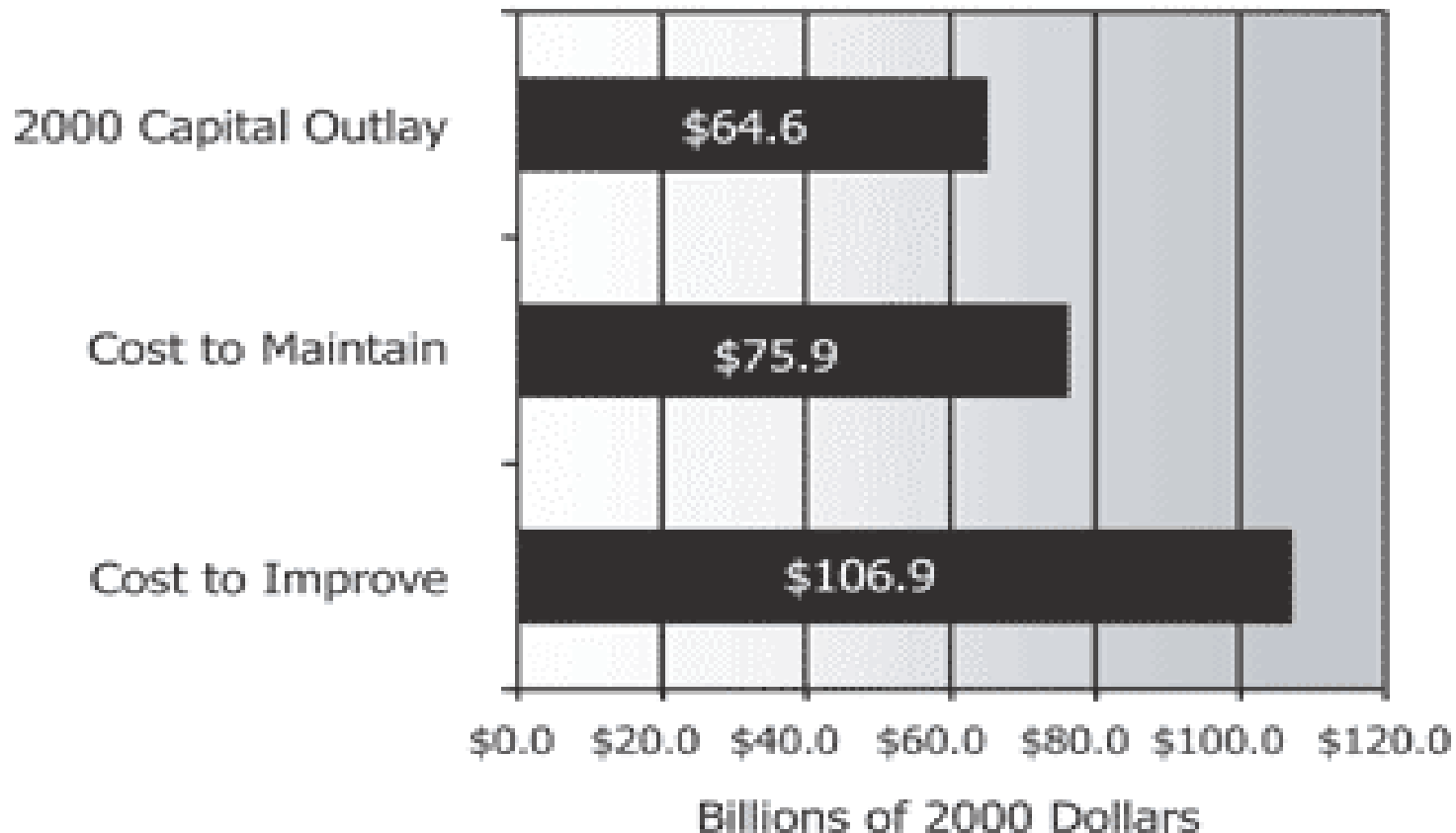
Travel Demand Management



- Improve and expand the National Highway System
- Improve System Operations
- Travel Demand Management

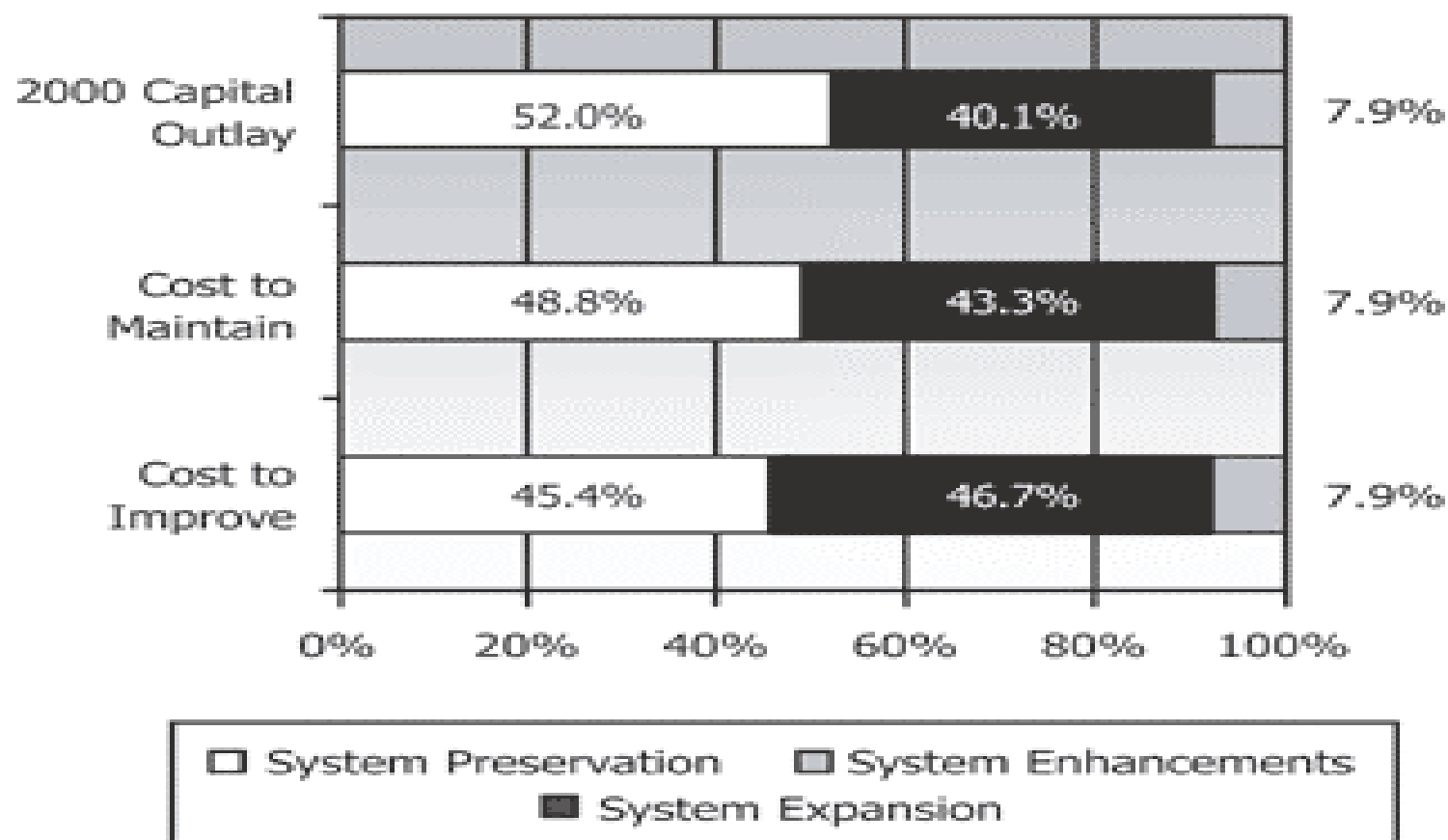
Congestion Mitigation

2000 Capital Outlay vs Highway and Bridge Investment Requirements



Ref: 2002 Status of the Nation's Highways, Bridges, and Transit: Condition and Performance

Investment Requirements and 2000 Capital Outlay Distribution by Improvement Type



Ref: 2002 Status of the Nation's Highways, Bridges, and Transit: Condition and Performance



The Future

Serve customers by maximizing regional transportation system performance through effective system management and operations

Moving Toward Regional Transportation System Management and Operations



***Traditional
'O&M'***

***Jurisdictions/
agencies focusing
on improving
'local' functional
performance.***

***Regional
Transportation System
Management and
Operations***

***Traditional outcomes
enhanced by a regional
systems perspective to
achieve regional
performance objectives.***

Improving *regional* transportation system performance

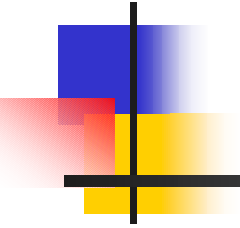




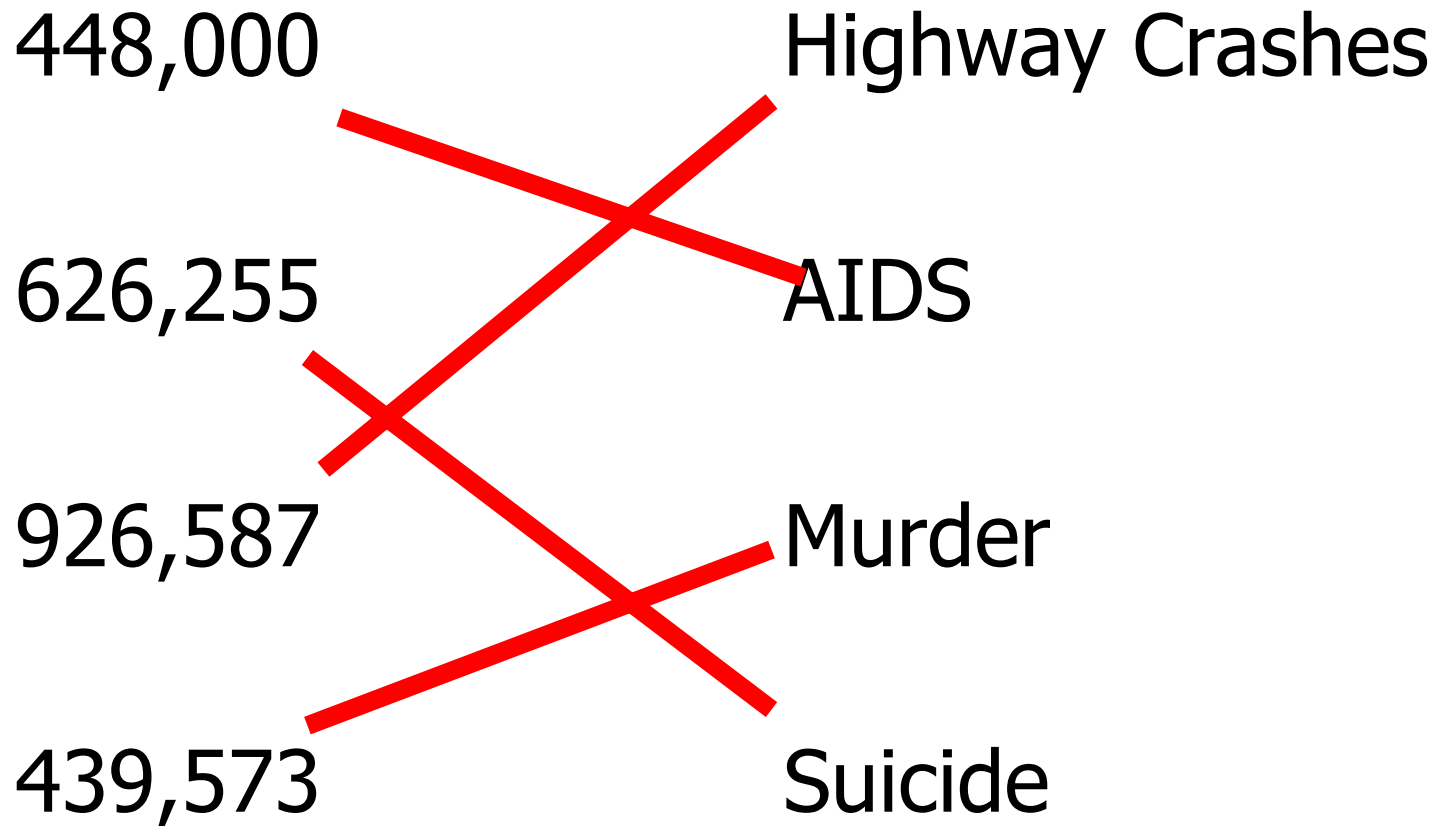
21st Century Operations: The Keys to Making it Happen

- Applying 21st Century Technologies
 - Intelligent Transportation Systems (ITS)
 - Information Technology (IT)
 - GPS, GIS, etc.
- Unprecedented Institutional Collaboration and Coordination (especially in Metro Regions)
 - Agency with Agency
 - Jurisdiction with Jurisdiction
 - Transportation with Public Safety
 - Operations with Planning

Safety



Matching: 20 Year Total to Cause of Death



1979 – 1999



Highway Safety Problem

- Over 42,000 Highway Fatalities Each Year
- 3 Million Injuries – Over 6 Million Crashes
- Slightly Less than 1.5 Fatalities per 100 Million VMT
- Leading Cause of Death for Young People
- \$230 Billion Cost to Society



Partnering to Achieve Ambitious Safety Goals

1.0 Fatalities / 100M-VMT by 2008

US DOT
AASHTO
GHSA
AAMVA

Partnering to Achieve Ambitious Safety Goals

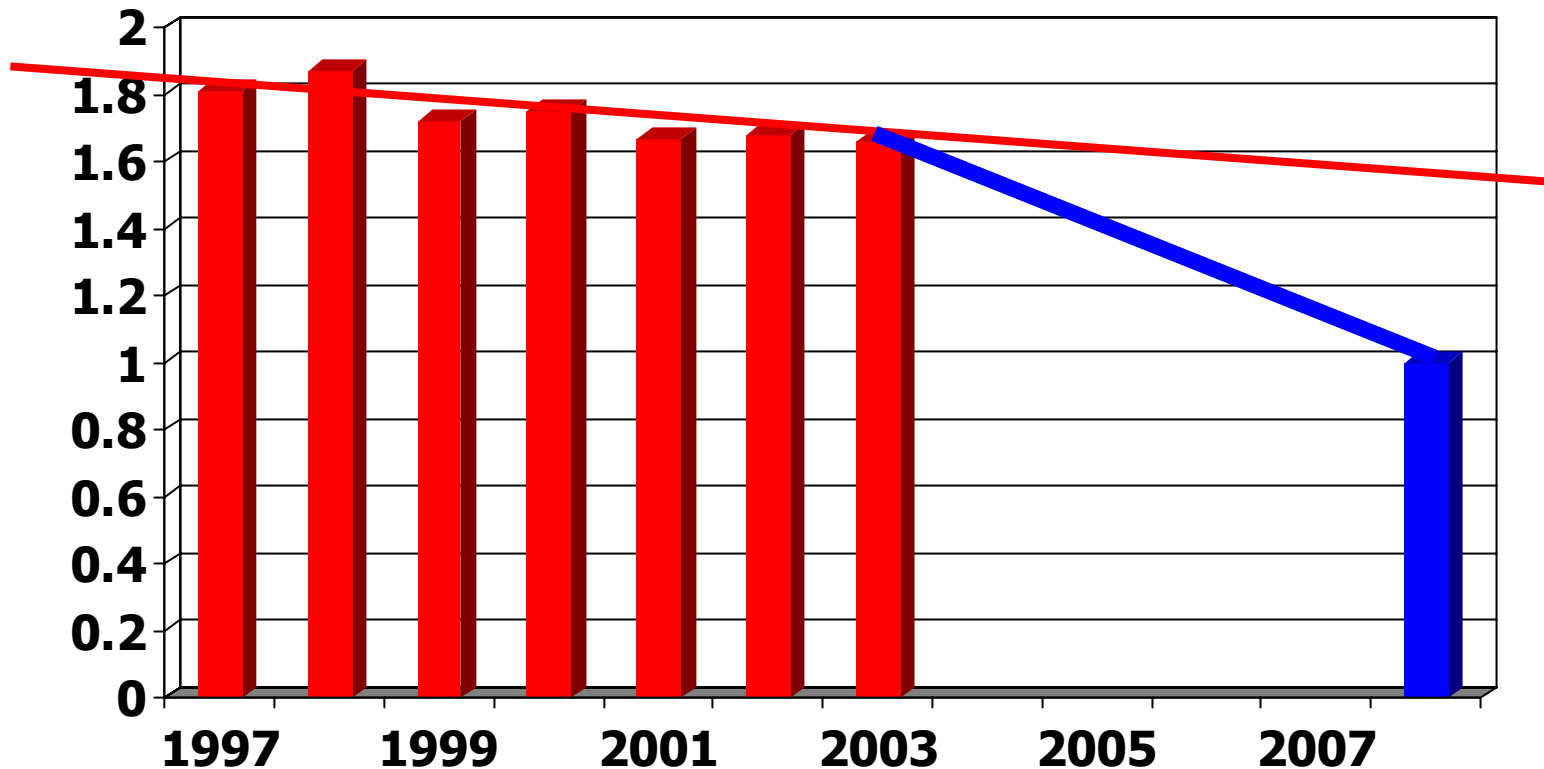


New Math:

$$1.0 = 9,000$$

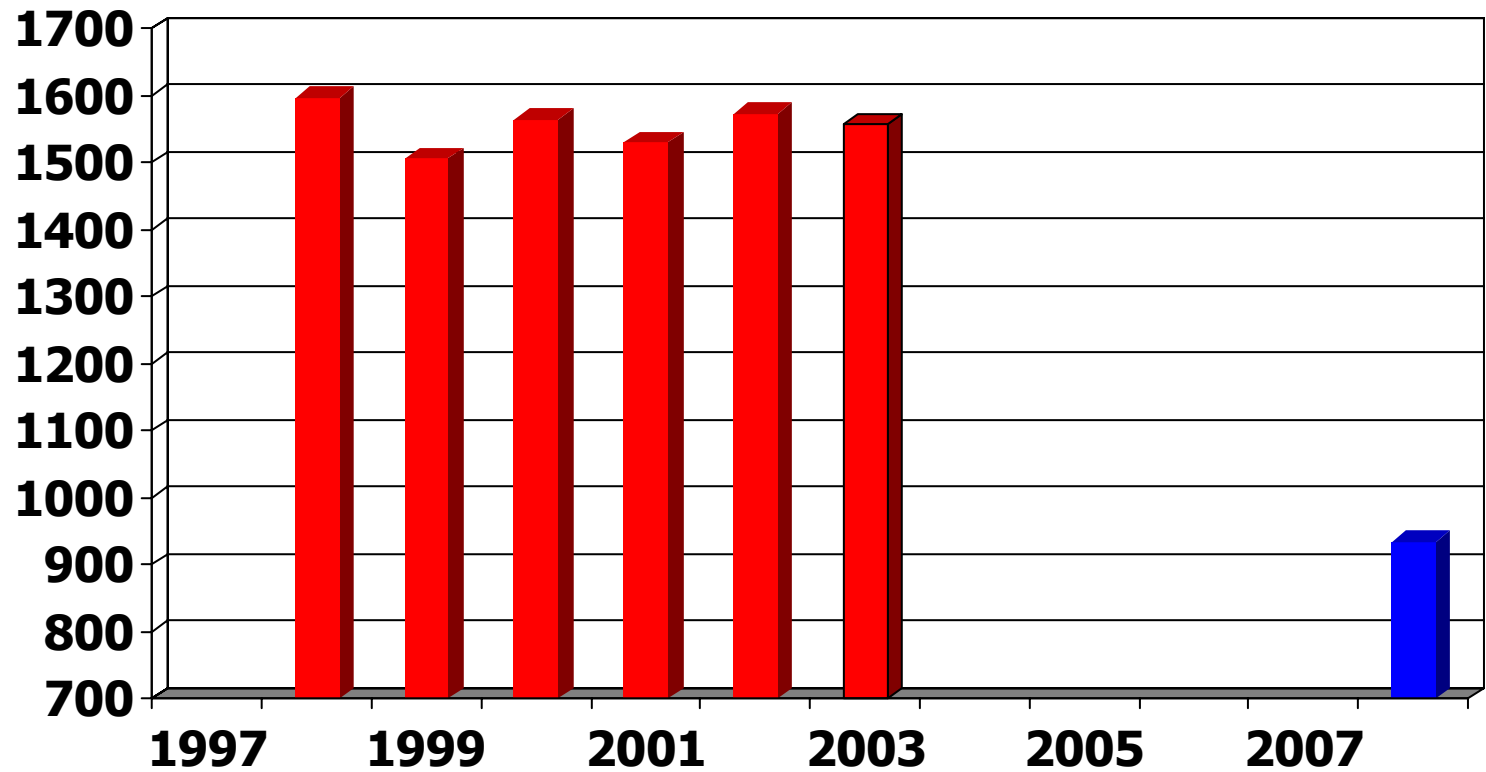
NC Highway Fatal Crash Rate

Goal Reduce Rate to 1.0 per 100 mvmt

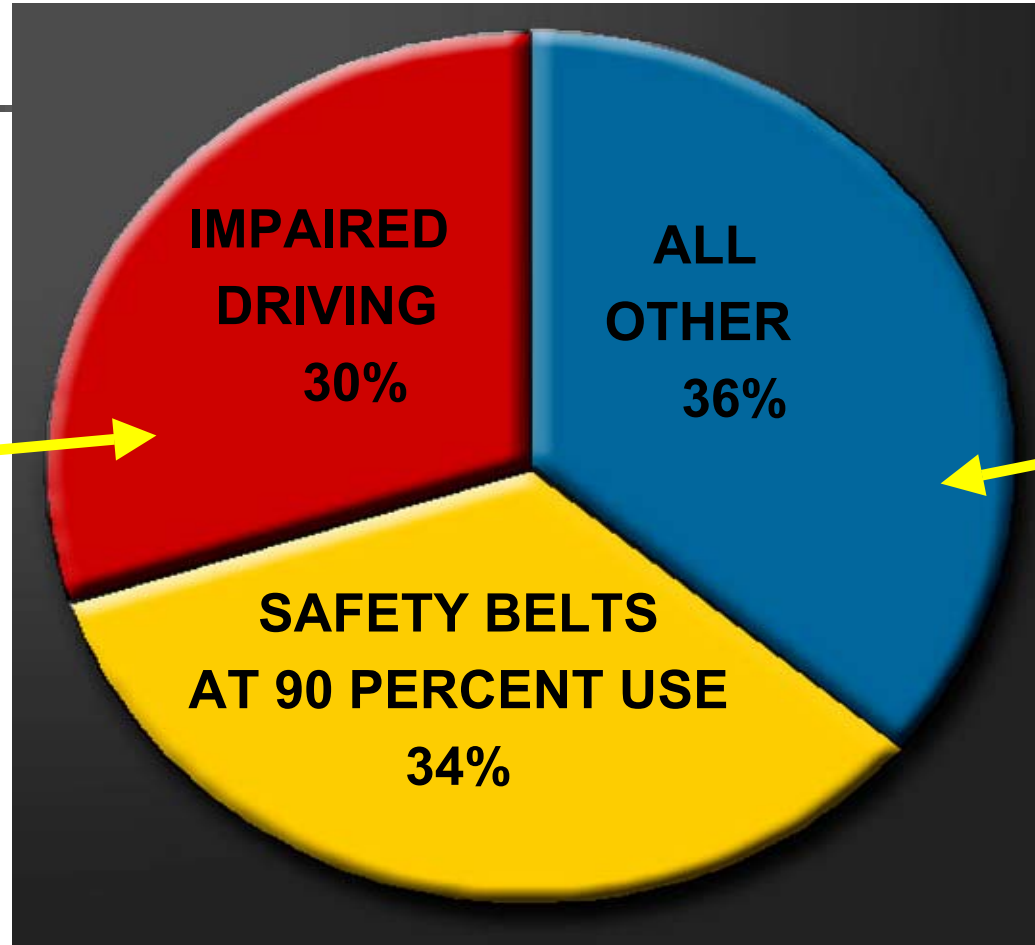




NC Highway Fatalities



Predicted Lives Saved - "4 E" Approach



Reduce alcohol
related rate to .44
per 100M VMT

Engineering
and
Operational
Improvements



FHWA Focus Area

Systemic Approach

- Statewide comprehensive highway safety plans
- Improved safety data and crash records systems.
- Implementation of AASHTO Strategic Highway Safety Plan



NC Alignment With USDOT/FHWA Efforts

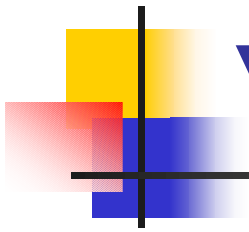
- ECHS

- Adopted Goal of 1.0 by 2008
 - Roadway Departures
 - Speed
 - Keeping Drivers Alert
 - Licensing
 - Seat Belts
 - Aggressive Driving



NCDOT Initiatives

- AASHTO Strategic Highway Safety Plan
 - Lead State for unsignalized intersections
 - Lead State for lane departures
- Traffic records improvement

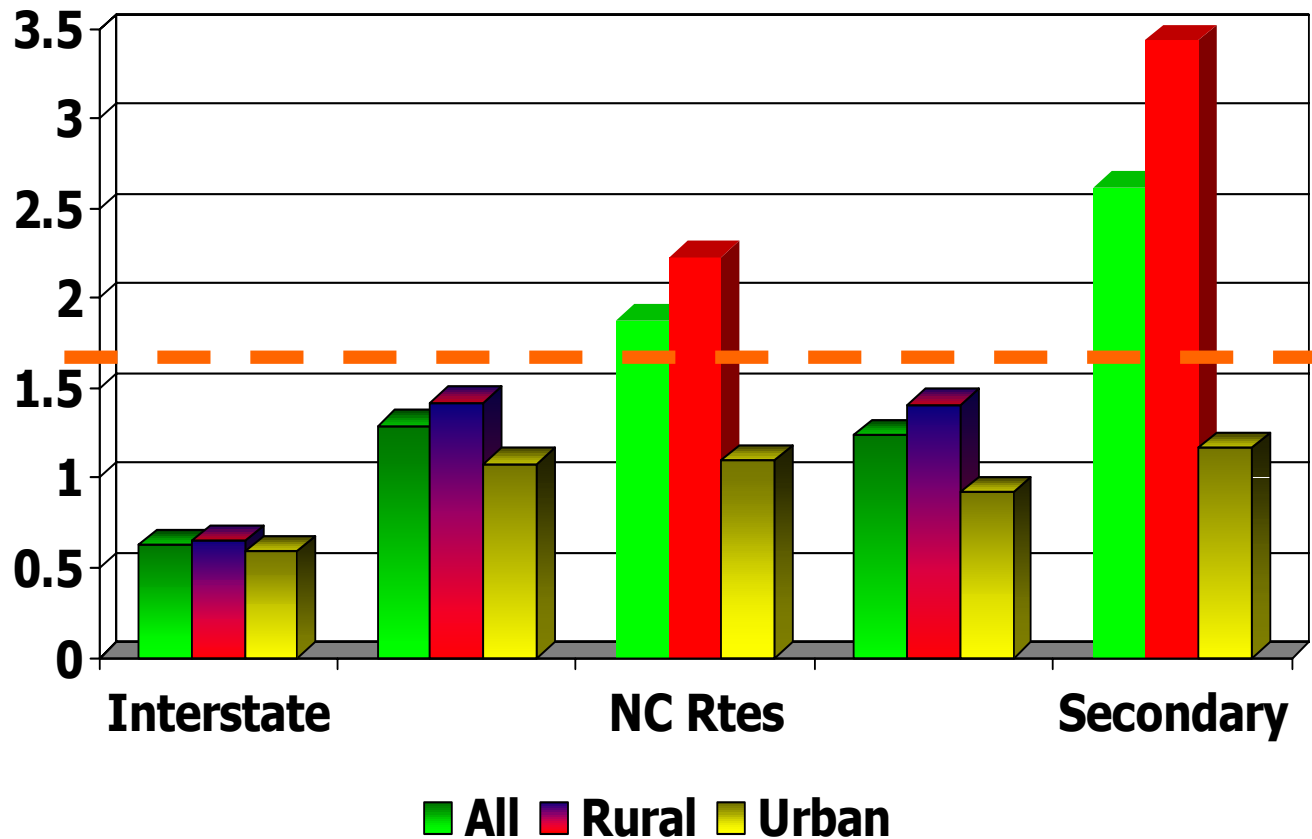


FHWA's Focus Area “Programmatic Approach”

- Rural Freeway rumble strip implementation
- Road safety audits/corridor programs
- Rural 2-lane roadway fatalities

NC

2-Lane Rural Roads



Roadway Departure Solutions



Remove roadside objects



Crashworthy devices

**Improve
visibility**



Rumble Strips



FHWA Focus Areas

Project Level

- ✓ Updating 3R manual – April 2004
 - Rumble Strips/Stripes
 - Wider Shoulders



Other FHWA Safety Initiatives

- HSIP: Intersections and Pedestrians
- Median Barrier
- Road Safety Audits
- Integrating Safety into Transportation Planning
- Motorcycle Safety
- Work Zones



Safety Initiatives in SAFETEA

- More than doubles funds for highway safety
- Provides incentives to enact primary seat belt laws that will greatly increase use
- Comprehensive Strategic Highway Safety Plan
- Establishes a new performance-based core highway safety program (data driven)
- Consolidates, simplifies, and strengthens NHTSA's existing safety grant programs